PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4925099

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HIROYUKI SHINMURA	01/23/2018
NOBUYOSHI UNO	01/23/2018
KAZUO INOUE	01/23/2018
TADAYOSHI OKADA	01/23/2018
YUGO SATO	01/23/2018

RECEIVING PARTY DATA

Name:	NIPPON STEEL & SUMIKIN METAL PRODUCTS CO., LTD.
Street Address:	17-12 KIBA 2-CHOME
Internal Address:	KOTO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	135-0042

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15750000

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: HOLTZ, HOLTZ & VOLEK PC

Address Line 1: 630 NINTH AVE
Address Line 2: SUITE 1010

Address Line 4: NEW YORK, NEW YORK 10036

ATTORNEY DOCKET NUMBER:	18024	
NAME OF SUBMITTER:	TAYLER MCDONALD	
SIGNATURE:	/Tayler McDonald/	
DATE SIGNED:	04/20/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT

504878359 REEL: 045596 FRAME: 0833

Total Attachments: 5source=Combined decralation and Assignment#page1.tif source=Combined decralation and Assignment#page2.tif source=Combined decralation and Assignment#page3.tif source=Combined decralation and Assignment#page4.tif

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PATENT REEL: 045596 FRAME: 0834

Title of Invention COLUMN AND BEAM CONNECTION STRUCTURE AND METHOD As the below named inventor, I hereby declare that: This declaration [] The attached application, or is directed to: [X] United States application or PCT international application number PCT/JP2016/003614 filed on August 4, 2016. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. In consideration of value received, I sell and assign to NIPPON STEEL & SUMIKIN METAL PRODUCTS CO., LTD., having a business address at 17-12 Kiba 2-chome, Koto-ku, Tokyo, 135-0042, JAPAN, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications. I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee. I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. LEGAL NAME OF INVENTOR January 23, 2018 Throught Shirmura Hiroyuki SHINMURA

Holtz, Holtz & Volek PC

Signature

Inventor (printed name)

630 Ninth Avenue, Suite 1010, New York, NY 10036-3744 Tel. (212) 319-4900 Fax. (212) 319-5101

> PATENT REEL: 045596 FRAME: 0835

Date

Title of Invention COLUMN AND BEAM CONNECTION STRUCTURE AND METHOD As the below named inventor, I hereby declare that: This declaration [] The attached application, or is directed to: [X] United States application or PCT international application number PCT/JP2016/003614 filed on August 4, 2016. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. In consideration of value received, I sell and assign to NIPPON STEEL & SUMIKIN METAL PRODUCTS CO., LTD., having a business address at 17-12 Kiba 2-chome, Koto-ku, Tokyo, 135-0042, JAPAN, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications. I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee. I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. LEGAL NAME OF INVENTOR Jan. 23, 20/8 Nobuyoshi UNO

> Holtz, Holtz & Volek PC 630 Ninth Avenue, Suite 1010, New York, NY 10036-3744 Tel. (212) 319-4900 Fax. (212) 319-5101

Signature

Inventor (printed name)

PATENT REEL: 045596 FRAME: 0836

Date

Title of Invention COLUMN AND BEAM CONNECTION STRUCTURE AND METHOD

As the below named inventor, I hereby declare that:

This declaration

[] The attached application, or

is directed to:

[X] United States application or PCT international application number PCT/JP2016/003614 filed on August 4, 2016.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

In consideration of value received, I sell and assign to <u>NIPPON STEEL & SUMIKIN METAL PRODUCTS</u> <u>CO., LTD.</u>, having a business address at <u>17-12 Kiba 2-chome</u>, <u>Koto-ku</u>, <u>Tokyo</u>, <u>135-0042</u>, <u>JAPAN</u>, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.

I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee.

I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR		
Kazuo INOUE	Kazuo Inone	Jan. 23, 2018
Inventor (printed name)	Signature	Date

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630 Ninth Avenue, Suite 1010, New York, NY 10036-3744 Tel. (212) 319-4900 Fax. (212) 319-5101

> PATENT REEL: 045596 FRAME: 0837

Title of Invention COLUMN AND BEAM CONNECTION STRUCTURE AND METHOD As the below named inventor, I hereby declare that: This declaration [] The attached application, or is directed to: [X] United States application or PCT international application number PCT/JP2016/003614 filed on August 4, 2016. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. In consideration of value received, I sell and assign to NIPPON STEEL & SUMIKIN METAL PRODUCTS CO., LTD., having a business address at 17-12 Kiba 2-chome, Koto-ku, Tokyo, 135-0042, JAPAN, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications. I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee. I agree that on request and without further consideration, but at the expense of sald Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries. I hereby acknowledge that any willful false statement made in this declaration is punishable under

18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR Jan. 23 / 2018 Tadayoshi (Kada Tadayoshi OKADA Inventor (printed name) Signature Date

> Holtz, Holtz & Volek PC 630 Ninth Avenue, Suite 1010, New York, NY 10036-3744 Tel. (212) 319-4900 Fax. (212) 319-5101

> > PATENT **REEL: 045596 FRAME: 0838**

Title of Invention COLUMN AND BEAM CONNECTION STRUCTURE AND METHOD

As the below named inventor, I hereby declare that:

This declaration is directed to:

[] The attached application, or is directed to:

[X] United States application or PCT international application number PCT/JP2016/003614 filed on August 4, 2016.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

In consideration of value received, I sell and assign to <u>NIPPON STEEL & SUMIKIN METAL PRODUCTS CO., LTD.</u>, having a business address at <u>17-12 Kiba 2-chome, Koto-ku, Tokyo, 135-0042, JAPAN</u>, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR		
Yugo SATO	Yugo Sato	Jan.23, 2018
Inventor (printed name)	Signature	. Date

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> PATENT REEL: 045596 FRAME: 0839

RECORDED: 04/20/2018